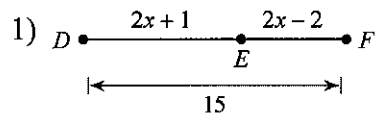
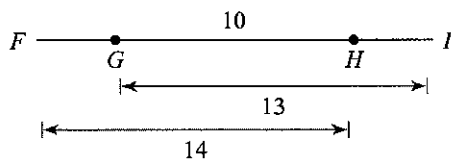
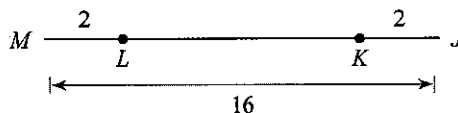


## Segment HW #2

Date \_\_\_\_\_ Period \_\_\_\_\_

Solve for  $x$ .

Find the length indicated.

2) Find  $FI$ 3) Find  $LK$ 

Points A, B, C, and D are collinear and positioned in that order. Find the length indicated.

4) Find  $AC$  if  $AD = 22$ ,  $BD = 14$ , and  $BC = 7$ .Points A, B, C, and D are collinear and positioned in that order. Solve for  $x$ .5)  $BD = 2x - 13$ ,  $AB = x - 1$ ,  $AC = 17$ ,  
and  $CD = 5$ . Find  $x$ .

Points A, B, C, and D are collinear and positioned in that order. Find the length indicated.

6) Find  $AC$  if  $AD = 3x$ ,  $AC = x + 13$ ,  
 $BD = 15$ , and  $BC = 2x - 4$ .